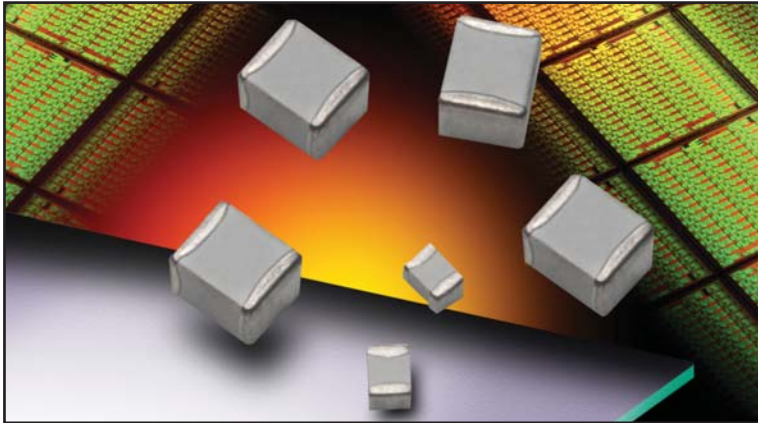


Microwave MLC's

SQ A Case & B Case Ultra Low ESR MLC



FEATURES:

- Low ESR
- High Q
- High Self Resonance
- Capacitance Range 0.1 pF to 5100 pF
- 175°C Capability SQCB

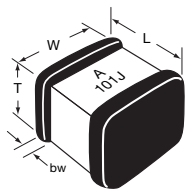
APPLICATIONS:

- RF Power Amplifiers
- Low Noise Amplifiers
- Filter Networks
- MRI Systems

HOW TO ORDER

SQ AVX Style	CB Case Size CA = * CB = * * See mechanical dimensions below	7 Voltage Code 5 = 50V 1 = 100V E = 150V 2 = 200V V = 250V 9 = 300V 7 = 500V	M Temperature Coefficient Code M = +90±20ppm/°C A = 0±30ppm/°C C = 15% ("J" Termination only)	100 Capacitance EIA Capacitance Code in pF. First two digits = significant figures or "R" for decimal place. Third digit = number of zeros or after "R" significant figures.	J Capacitance Tolerance Code B = ±.1 pF C = ±.25 pF D = ±.5 pF F = ±1% G = ±2% J = ±5% K = ±10% M = ±20% N = ±30%	A Failure Rate Code A = Not Applicable	T Termination Style Code **1 = Pd/Ag **7 = Ag/Ni/Au J = Nickel Barrier Sn/Pb (60/40) **T = 100% Tin H = Cu/Sn (Non-Magnetic) **RoHS Compliant	1A Packaging Code 1A = 7" Reel Unmarked 6A = Waffle Pack Unmarked ME = 7" Reel Marked WE = Waffle Pack Unmarked * Vertical T&R available * 500 piece reels available
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6



MECHANICAL DIMENSIONS: inches (millimeters)

Case	Length (L)	Width (W)	Thickness (T)	Band Width (bw)
SQCA*	.055 + .015 - .010 (1.40+ .381 - .254)	.055±.015 (1.40±.381)	.020/.057 (.508/1.45)	.010 + .010 - .005 (.254 + .254 - .127)
SQCB*	.110 + .020 - .010 (2.79 + .508 - .254)	.110±.010 (2.79±.254)	.030/.102 (.762/2.59)	.015±.010 (.381±.254)

TAPE & REEL: All tape and reel specifications are in compliance with EIA RS481 (equivalent to IEC 286 part 3).

- 8mm carrier
- 7" reel: SQCA/SQCB = 2000 pcs (500 piece reels SQCA SQCB)

WAFFLE PACK

SQCA 100 pcs
SQCB 80 pcs



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

AVX:

[SQCAEM910JAJME/500](#) [SQCAEA102JAJME/500](#) [SQCA5A102JAJME](#) [SQCAEM0R1BAJME](#) [SQCAEM0R2BAJME](#)
[SQCAEM0R4BAJME](#) [SQCAEM0R5BAJME](#) [SQCAEM0R8BAJME](#) [SQCAEM100FAJME](#) [SQCAEM1R0BAJME](#)
[SQCAEM1R2BAJME](#) [SQCAEM1R5BAJME](#) [SQCAEM1R6BAJME](#) [SQCAEM1R8BAJME](#) [SQCAEM2R2BAJME](#)
[SQCAEM2R4BAJME](#) [SQCAEM2R7BAJME](#) [SQCAEM3R0BAJME](#) [SQCAEM3R9BAJME](#) [SQCAEM470JAJME](#)
[SQCAEM560JAJME](#) [SQCAEM6R8BAJME](#) [SQCB7M100JA1ME](#) [SQCAEM680FAJME](#) [SQCAEM470FAJME](#)
[SQCB5A751FAJME](#) [SQCAEM101GAJME](#) [SQCAEM270FAJME](#) [SQCAEM560FAJME](#) [SQCAEM300FAJME](#)
[SQCB5A182KAJME](#) [SQCB7A1R0BAJME](#) [SQCB7A100GAJME](#) [SQCB7A130GAJME](#) [SQCB7A150GAJME](#)
[SQCB7A180GAJME](#) [SQCB7A240GAJME](#) [SQCB7A270GAJME](#) [SQCB7A360GAJME](#) [SQCB7A390GAJME](#)
[SQCAEM150GAJME](#) [SQCB7M0R5BATWE](#) [SQCB7M1R0BATWE](#) [SQCB7M100JATWE](#) [SQCB7M220JATWE](#)
[SQCB7M6R2BATWE](#) [SQCB7M8R2JATWE](#) [SQCAEM180GAJME](#) [SQCAEM560GAJME](#) [SQCBEA561JAJME](#)
[SQCB2A241FAJME](#) [SQCAEM4R7BAJME](#) [SQCAEM6R2BAJME](#) [SQCAEM240FAJME](#) [SQCAEM820GAJME](#)
[SQCB5A102KAJME](#) [SQCBEA751FAJME](#) [SQCB7M100FATME](#) [SQCA5A121FAJME](#) [SQCA5A121JAJME](#)
[SQCA5A241FAJWE](#) [SQCA5A391GAJWE](#) [SQCA5C103KAJWE](#) [SQCAEA101GAJWE](#) [SQCAEA101JAJWE](#)
[SQCAEA121FAJWE](#) [SQCAEA1R3CAJWE](#) [SQCAEA2R2CAJWE](#) [SQCAEA2R7CAJWE](#) [SQCAEA360JAJWE](#)
[SQCAEA390FAJWE](#) [SQCAEA390GAJWE](#) [SQCAEA390JAJWE](#) [SQCAEA3R0CAJME](#) [SQCAEA5R6CAJWE](#)
[SQCAEA820GAJWE](#) [SQCAEA820JAJME](#) [SQCAEA8R2BAJWE](#) [SQCAEM0R1BAJWE](#) [SQCAEM0R2BAJWE](#)
[SQCAEM0R3BAJME](#) [SQCAEM0R3BAJWE](#) [SQCAEM0R3CAJWE](#) [SQCAEM0R4BAJWE](#) [SQCAEM0R4CAJWE](#)
[SQCAEM0R5BAJWE](#) [SQCAEM0R5CAJWE](#) [SQCAEM0R6BAJME](#) [SQCAEM0R6BAJWE](#) [SQCAEM0R6CAJWE](#)
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[SQCAEM0R9BAJME](#) [SQCAEM0R9BAJWE](#) [SQCAEM0R9CAJWE](#) [SQCAEM100FAJWE](#) [SQCAEM100JAJME](#)